

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021324\
 Data File : BP019690.D
 Acq On : 13 Feb 2024 22:14
 Operator : MA/JU
 Sample : P1421-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-11977

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/15/2024
 Supervised By :mohammad ahmed 02/15/2024

Quant Time: Feb 13 23:28:34 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 01 00:51:48 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.905	152	80119	20.000	ng	-0.01
21) Naphthalene-d8	10.704	136	312494	20.000	ng	-0.01
39) Acenaphthene-d10	14.540	164	210009	20.000	ng	-0.01
64) Phenanthrene-d10	17.298	188	470758	20.000	ng	0.00
76) Chrysene-d12	21.392	240	420532	20.000	ng	# 0.00
86) Perylene-d12	23.815	264	493593	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	391002	78.666	ng	0.00
7) Phenol-d6	7.081	99	523387	78.095	ng	0.00
23) Nitrobenzene-d5	9.075	82	368999	51.167	ng	-0.01
42) 2,4,6-Tribromophenol	16.034	330	303930	99.120	ng	0.00
45) 2-Fluorobiphenyl	13.169	172	869663	51.193	ng	-0.01
79) Terphenyl-d14	19.863	244	1395573	54.576	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.757	128	35455	2.069	ng	98
52) Acenaphthene	14.604	154	60738	5.070	ng	99
58) Fluorene	15.592	166	54069	3.479	ng	99
71) Phenanthrene	17.339	178	585512	23.634	ng	99
72) Anthracene	17.433	178	193420	7.826	ng	98
73) Carbazole	17.710	167	70766	3.152	ng	98
75) Fluoranthene	19.310	202	840160	27.761	ng	99
78) Pyrene	19.663	202	724556	24.413	ng	99
81) Benzo(a)anthracene	21.374	228	416131	14.057	ng	98
83) Chrysene	21.427	228	360170	12.815	ng	96
87) Indeno(1,2,3-cd)pyrene	26.339	276	211956	5.610	ng	97
88) Benzo(b)fluoranthene	23.080	252	462198	14.857	ng	97
89) Benzo(k)fluoranthene	23.121	252	154761m	5.208	ng	
90) Benzo(a)pyrene	23.704	252	361843	13.072	ng	95
92) Benzo(g,h,i)perylene	27.121	276	196146	6.222	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

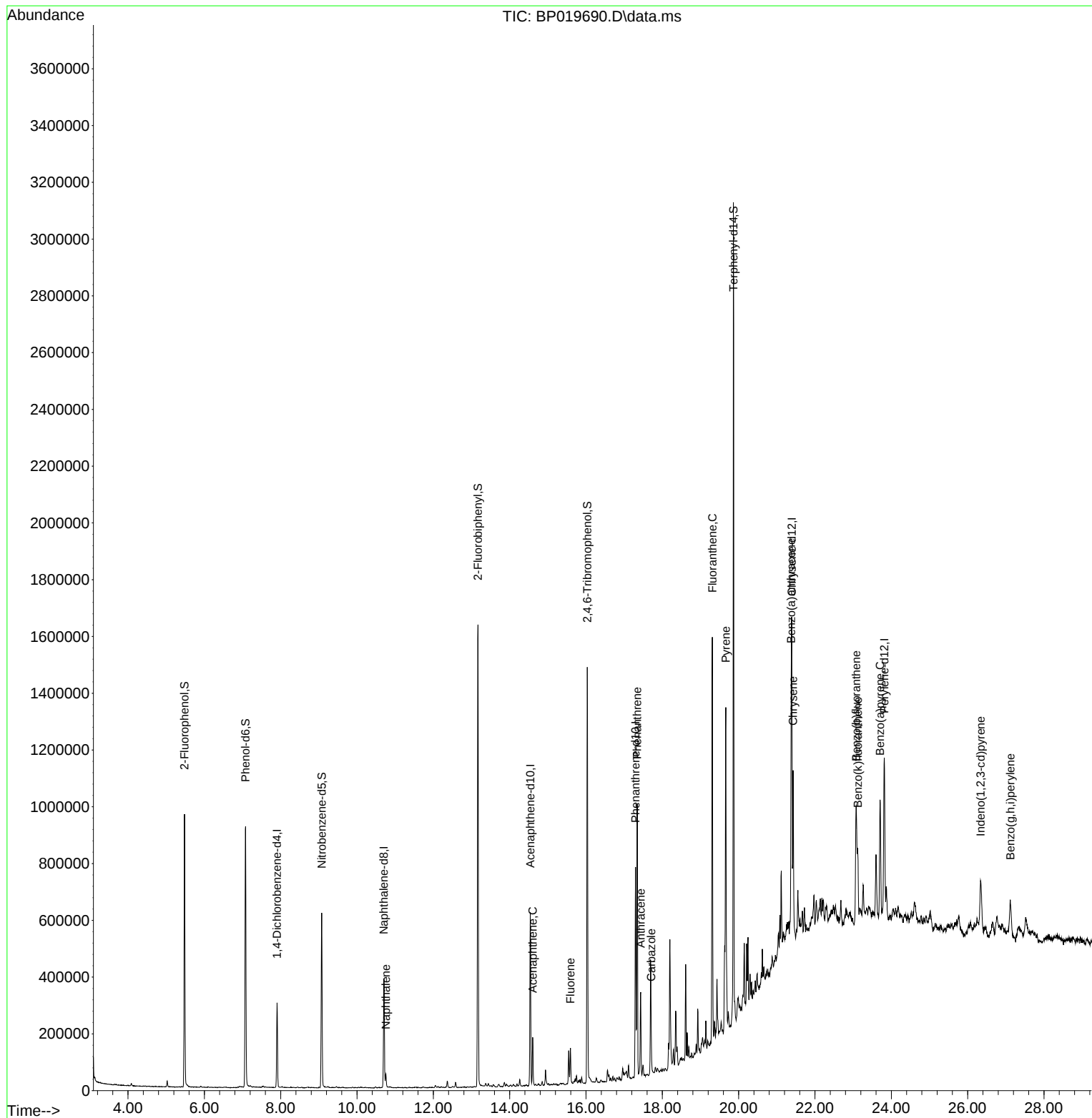
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021324\
Data File : BP019690.D
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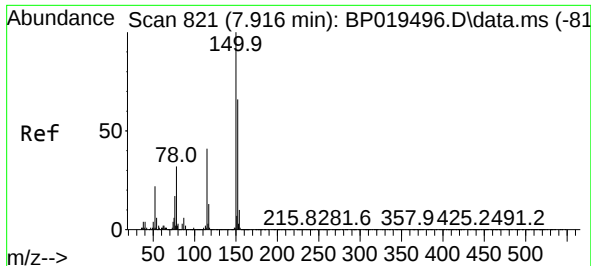
Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP013124.M
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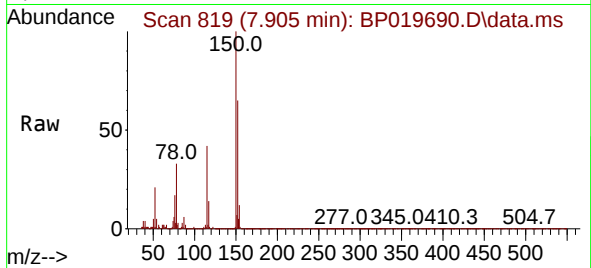
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.905 min Scan# 81
Delta R.T. -0.011 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

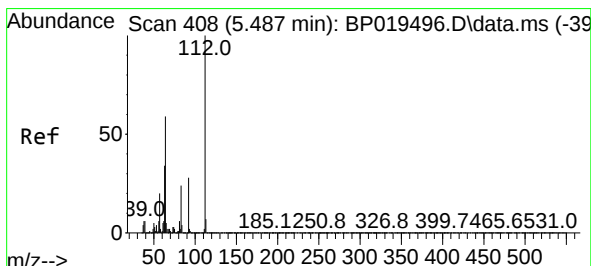
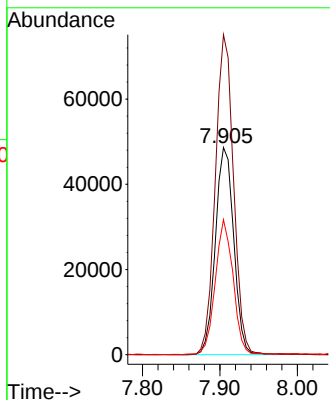
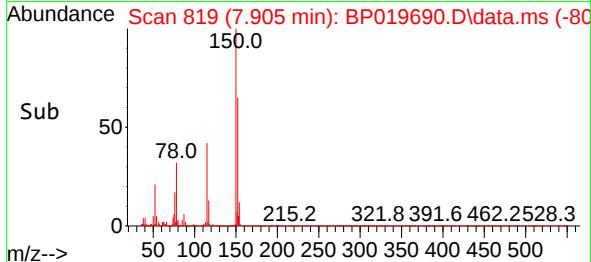
Instrument :
BNA_P
ClientSampleId :
72-11977



Tgt Ion:152 Resp: 80119
Ion Ratio Lower Upper
152 100
150 154.5 121.8 182.8
115 65.2 49.9 74.9

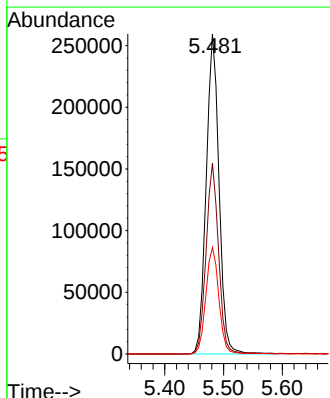
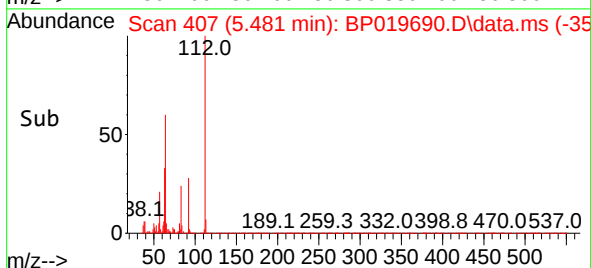
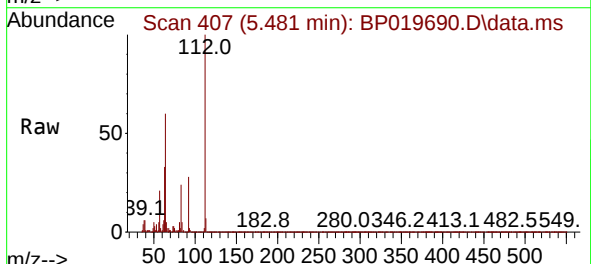
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Supervised By :mohammad ahmed 02/15/2024



#5
2-Fluorophenol
Concen: 78.666 ng
RT: 5.481 min Scan# 407
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

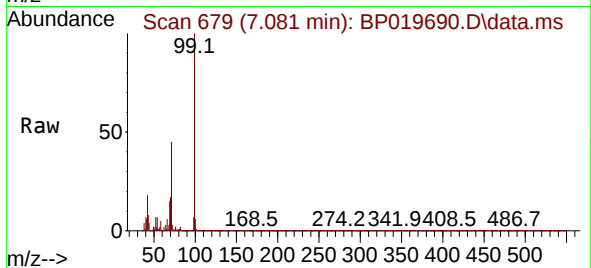
Tgt Ion:112 Resp: 391002
Ion Ratio Lower Upper
112 100
64 59.7 47.4 71.0
63 33.3 27.0 40.6





#7
Phenol-d6
Concen: 78.095 ng
RT: 7.081 min Scan# 61
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

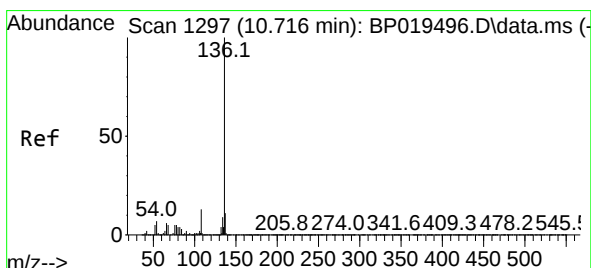
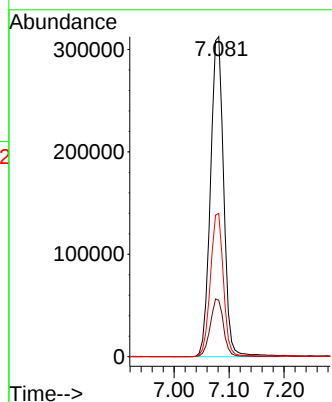
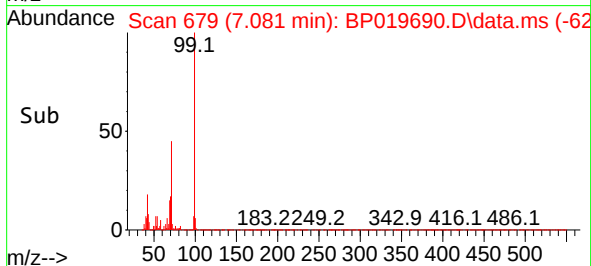
Instrument :
BNA_P
ClientSampleId :
72-11977



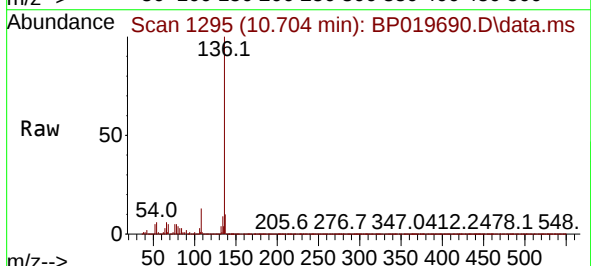
Tgt Ion: 99 Resp: 52338
Ion Ratio Lower Upper
99 100
42 17.7 14.7 22.1
71 44.8 34.8 52.2

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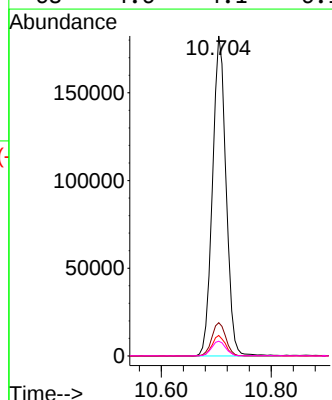
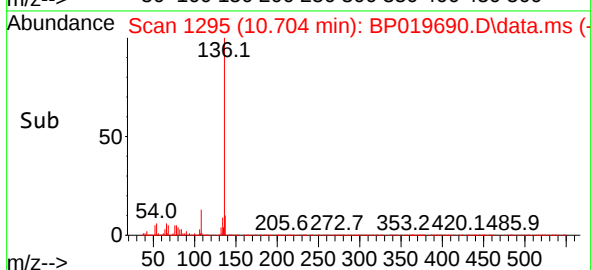
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14



Tgt Ion:136 Resp: 312494
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 6.4 5.3 7.9
68 4.6 4.1 6.1





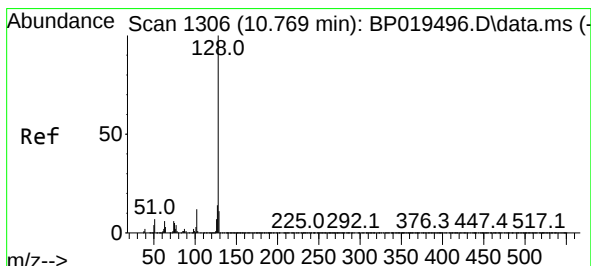
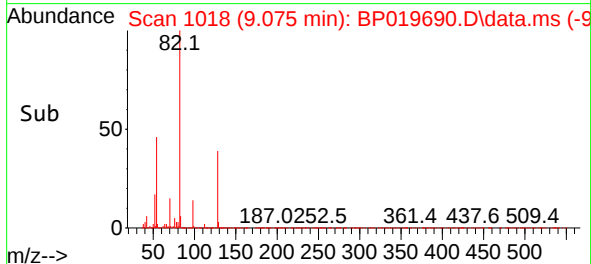
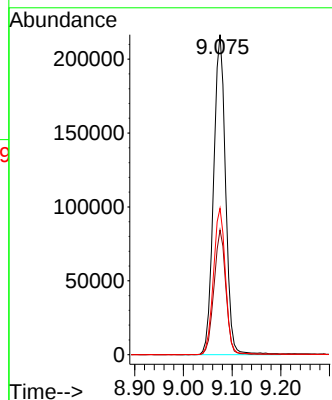
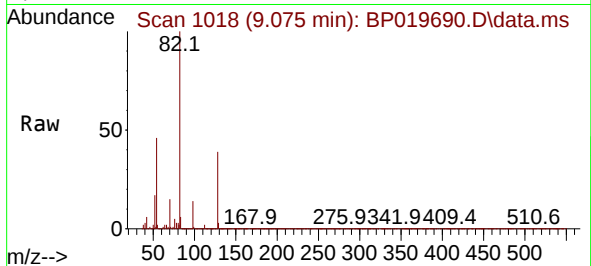
#23
Nitrobenzene-d5
Concen: 51.167 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.011 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

Instrument :
BNA_P
ClientSampleId :
72-11977

Tgt Ion: 82 Resp: 368999
Ion Ratio Lower Upper
82 100
128 38.9 29.7 44.5
54 45.8 36.8 55.2

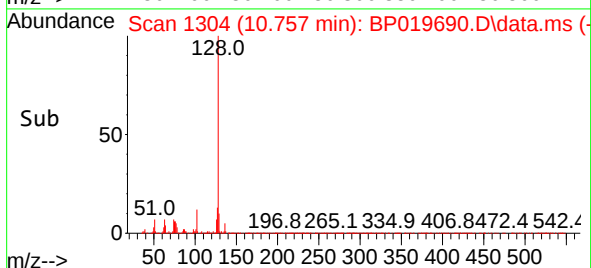
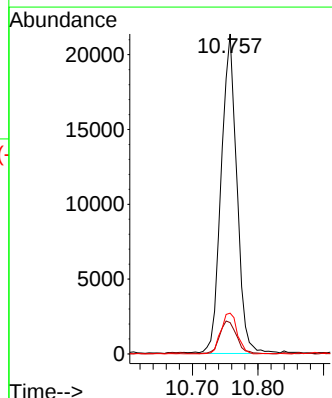
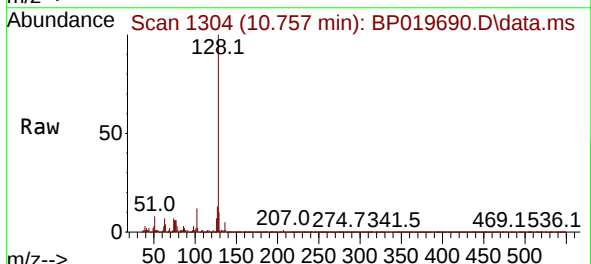
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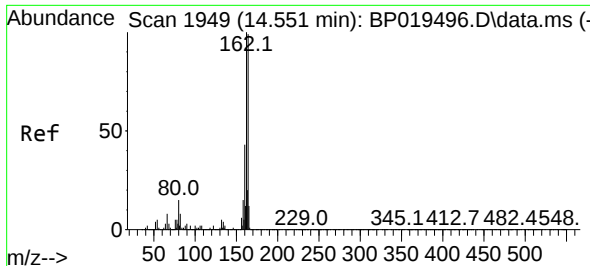
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#31
Naphthalene
Concen: 2.069 ng
RT: 10.757 min Scan# 1304
Delta R.T. -0.011 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

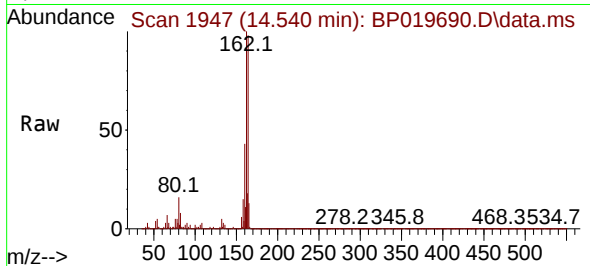
Tgt Ion:128 Resp: 35455
Ion Ratio Lower Upper
128 100
129 9.8 8.6 13.0
127 12.8 10.8 16.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1949
Delta R.T. -0.011 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

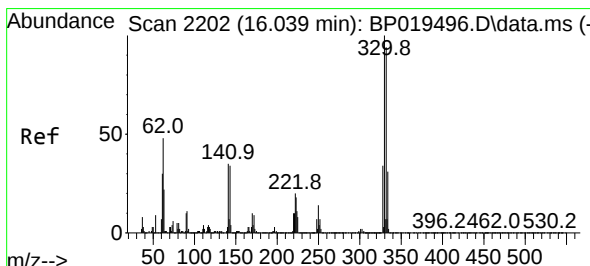
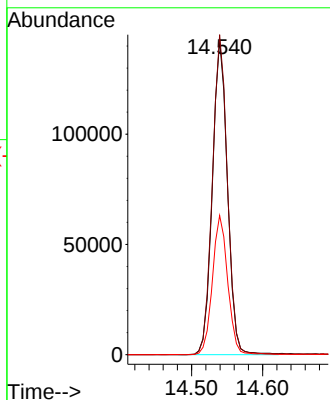
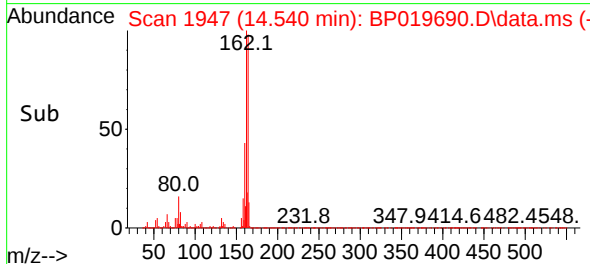
Instrument :
BNA_P
ClientSampleId :
72-11977



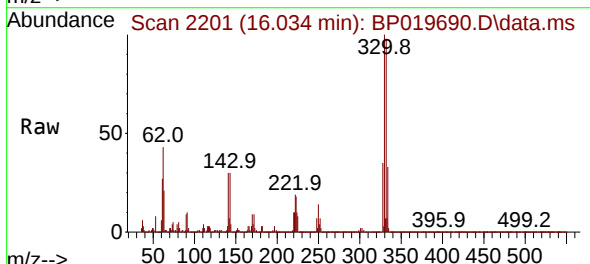
Tgt Ion:164 Resp: 210009
Ion Ratio Lower Upper
164 100
162 101.8 81.2 121.8
160 44.3 35.1 52.7

Manual Integrations
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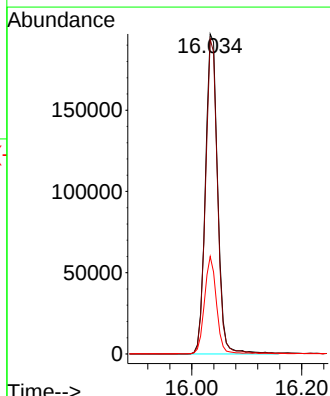
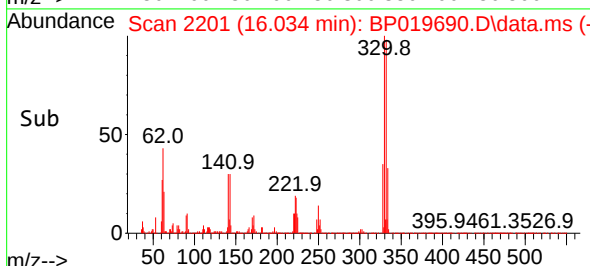
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024

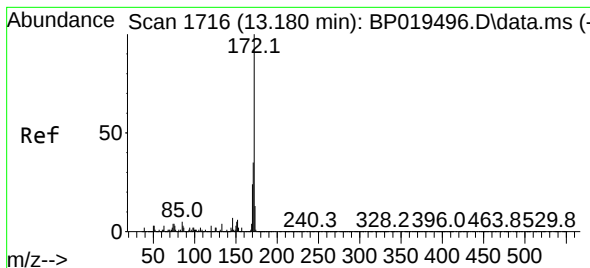


#42
2,4,6-Tribromophenol
Concen: 99.120 ng
RT: 16.034 min Scan# 2201
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14



Tgt Ion:330 Resp: 303930
Ion Ratio Lower Upper
330 100
332 96.8 77.2 115.8
141 30.0 27.0 40.4





#45

2-Fluorobiphenyl

Concen: 51.193 ng

RT: 13.169 min Scan# 1

Delta R.T. -0.011 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

Tgt Ion:172 Resp: 86966

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.4

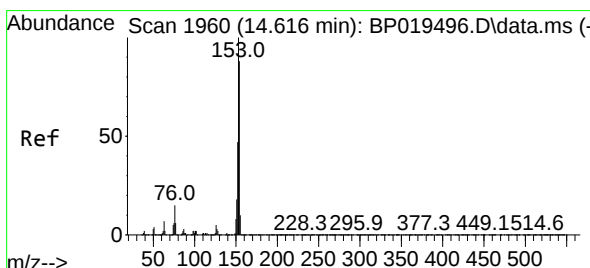
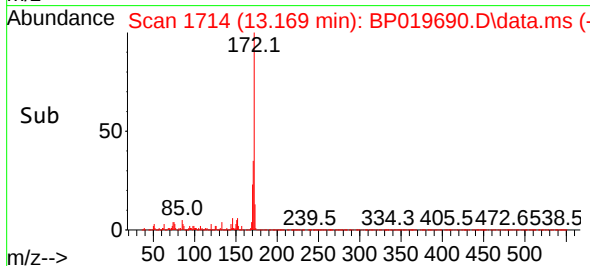
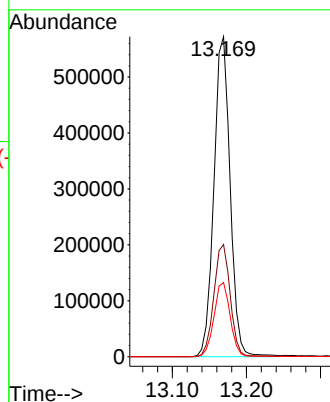
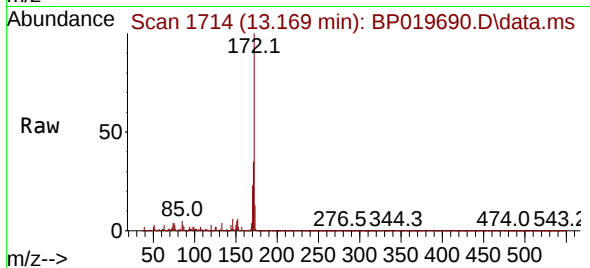
170 23.2 18.9 28.3

Manual Integrations

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Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024



#52

Acenaphthene

Concen: 5.070 ng

RT: 14.604 min Scan# 1958

Delta R.T. -0.011 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

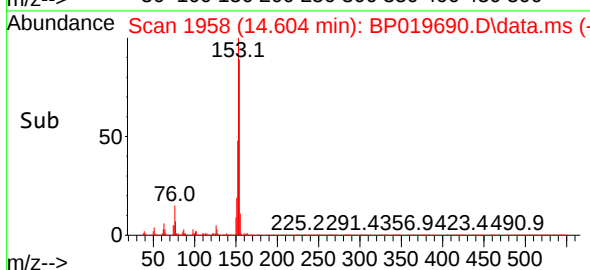
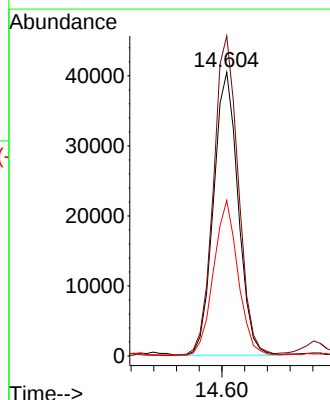
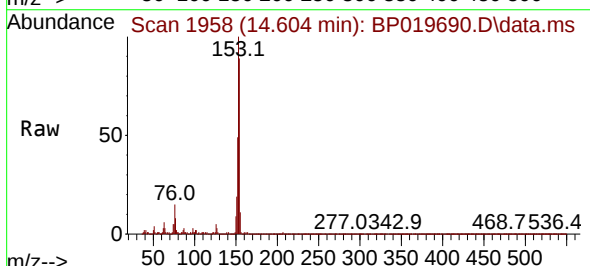
Tgt Ion:154 Resp: 60738

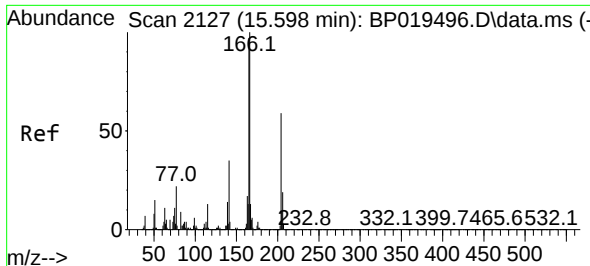
Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

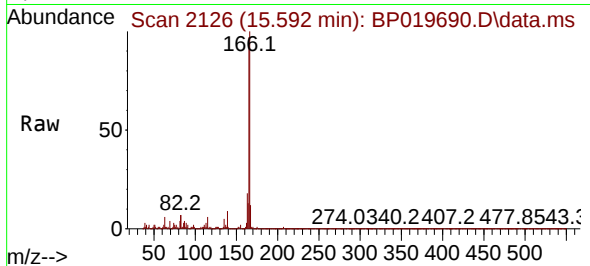
152 54.8 42.1 63.1





#58
Fluorene
Concen: 3.479 ng
RT: 15.592 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

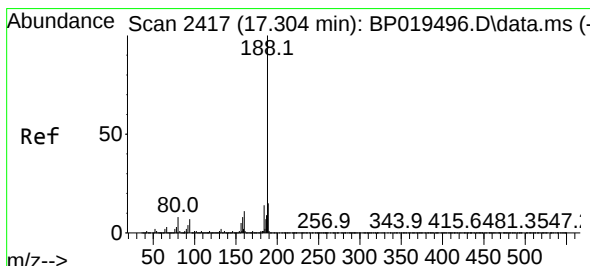
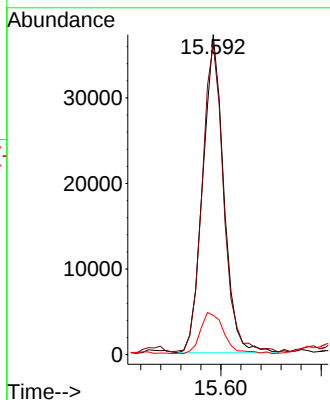
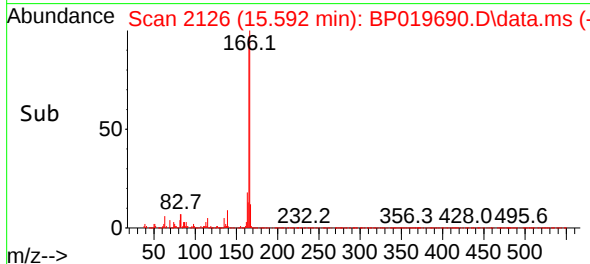
Instrument :
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ClientSampleId :
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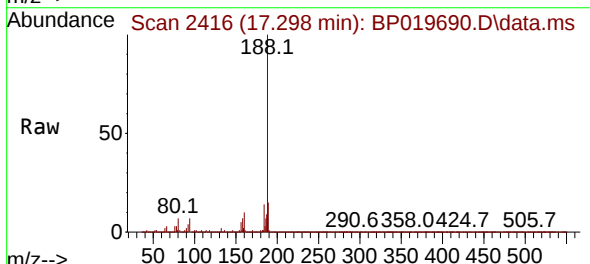
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Ion Ratio Lower Upper
166 100
165 97.0 77.8 116.8
167 12.3 10.7 16.1

Manual Integrations
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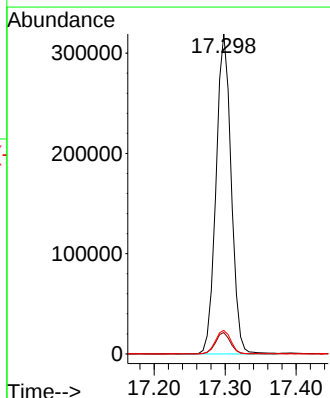
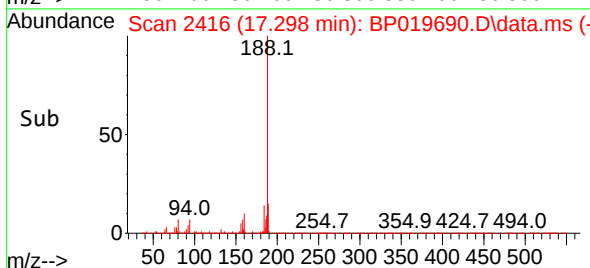
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024

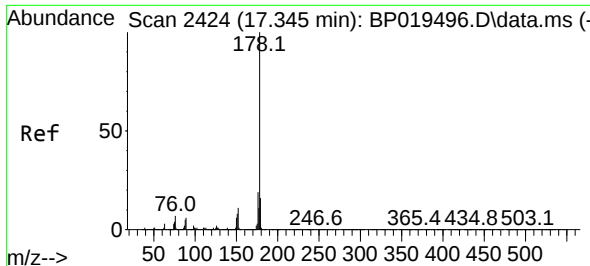


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.298 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14



Tgt Ion:188 Resp: 470758
Ion Ratio Lower Upper
188 100
94 6.7 5.4 8.2
80 7.4 6.3 9.5





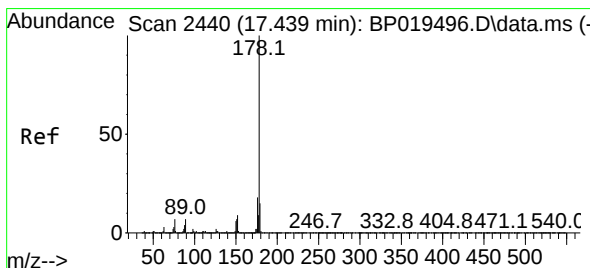
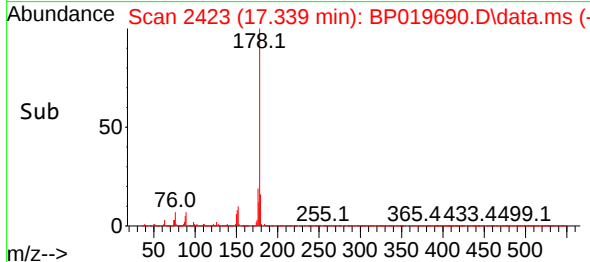
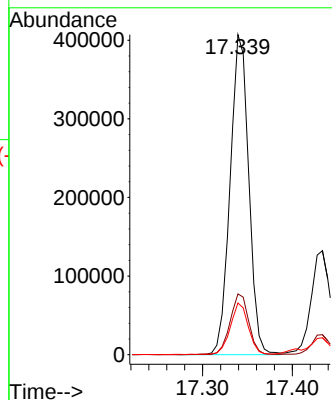
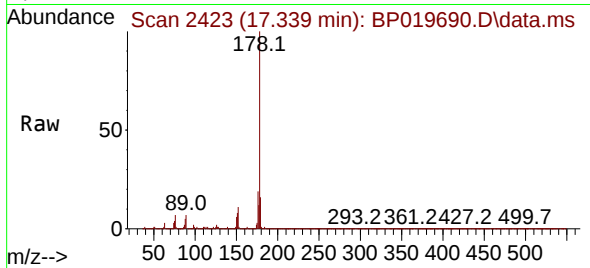
#71
Phenanthrene
Concen: 23.634 ng
RT: 17.339 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

Instrument :
BNA_P
ClientSampleId :
72-11977

Tgt Ion:178 Resp: 58551
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 16.1 12.6 19.0

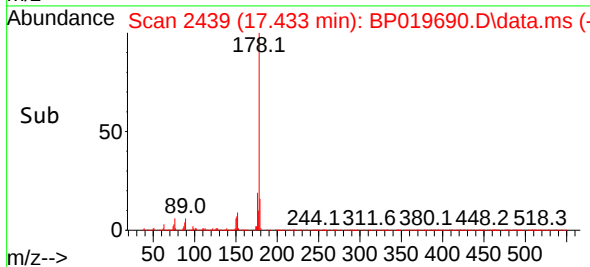
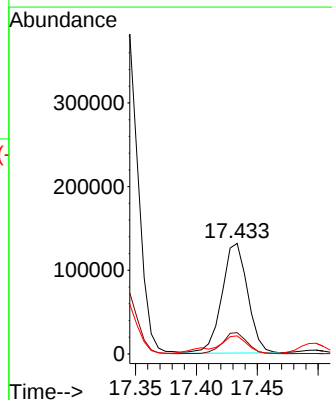
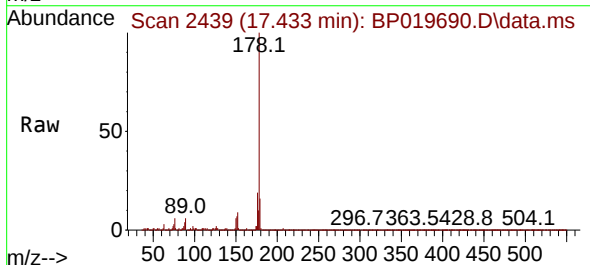
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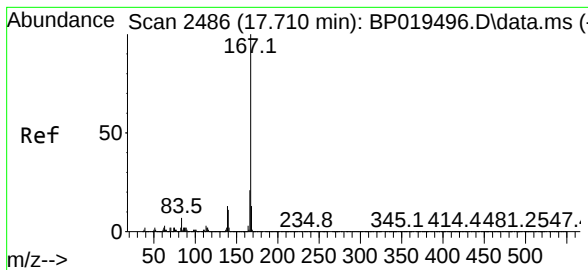
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024



#72
Anthracene
Concen: 7.826 ng
RT: 17.433 min Scan# 2439
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

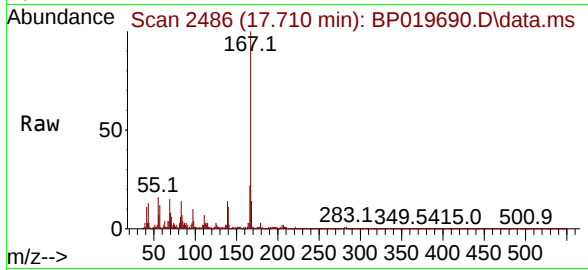
Tgt Ion:178 Resp: 193420
Ion Ratio Lower Upper
178 100
176 19.2 14.7 22.1
179 16.4 12.2 18.2





#73
 Carbazole
 Concen: 3.152 ng
 RT: 17.710 min Scan# 2486
 Delta R.T. 0.000 min
 Lab File: BP019690.D
 Acq: 13 Feb 2024 22:14

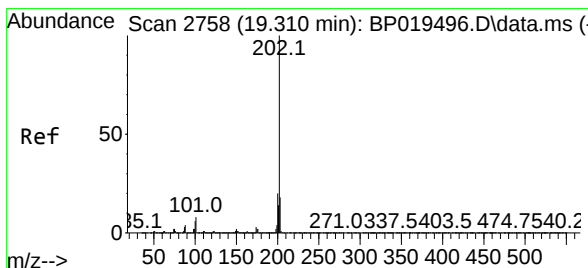
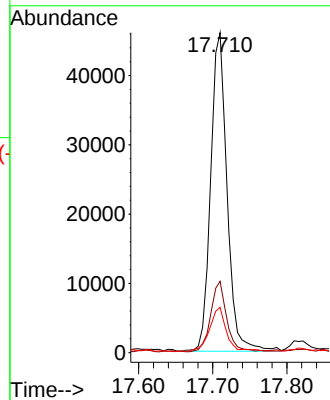
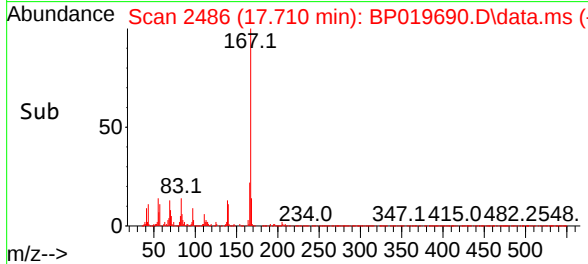
Instrument :
 BNA_P
 ClientSampleId :
 72-11977



Tgt Ion:167 Resp: 70760
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.2 25.8
 139 14.2 10.6 15.8

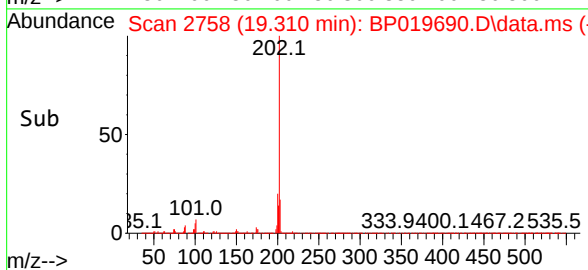
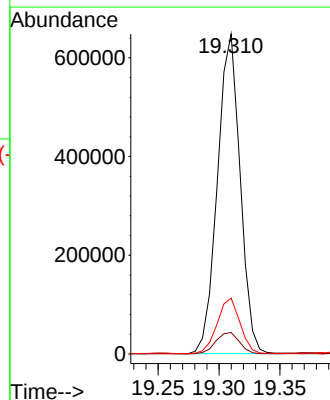
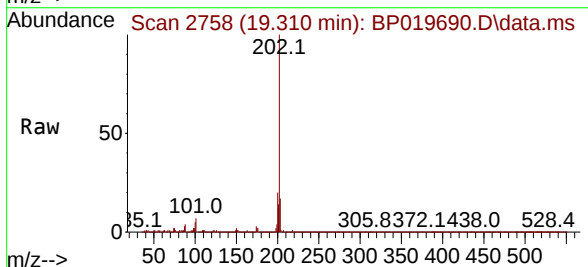
Manual Integrations
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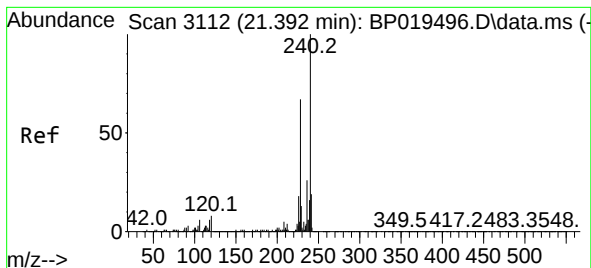
Reviewed By :Yogesh Patel 02/15/2024
 Supervised By :mohammad ahmed 02/15/2024



#75
 Fluoranthene
 Concen: 27.761 ng
 RT: 19.310 min Scan# 2758
 Delta R.T. 0.000 min
 Lab File: BP019690.D
 Acq: 13 Feb 2024 22:14

Tgt Ion:202 Resp: 840160
 Ion Ratio Lower Upper
 202 100
 101 6.7 0.0 27.7
 203 17.5 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.392 min Scan# 3112

Delta R.T. 0.000 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

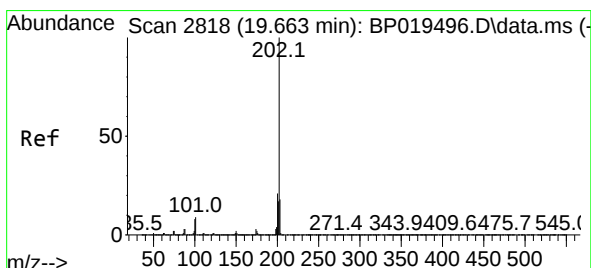
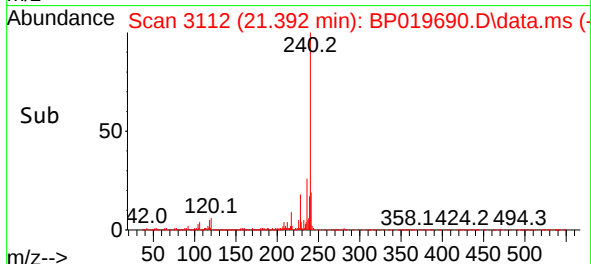
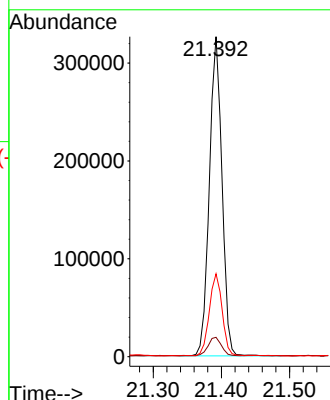
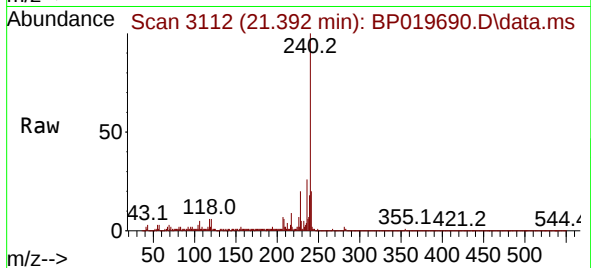
Tgt Ion:240 Resp: 420532
 Ion Ratio Lower Upper
 240 100
 120 6.0 6.1 9.1
 236 25.9 20.7 31.1

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Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024



#78

Pyrene

Concen: 24.413 ng

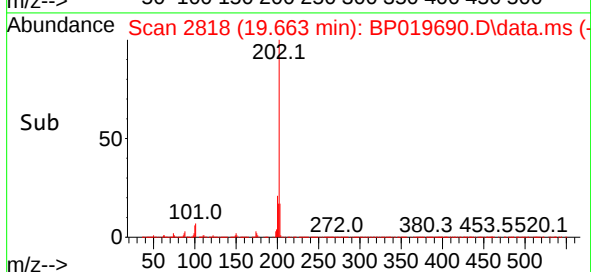
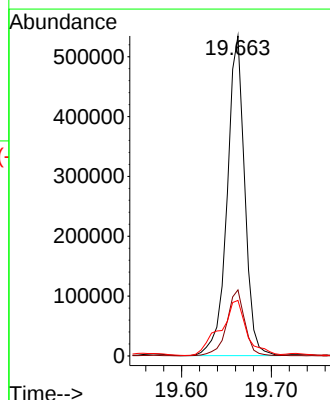
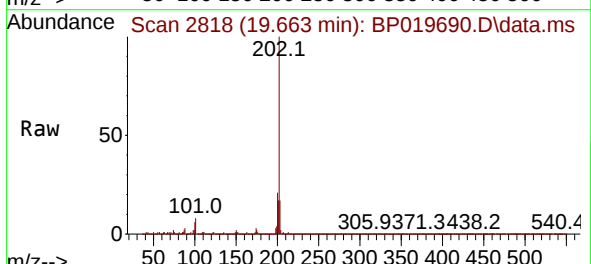
RT: 19.663 min Scan# 2818

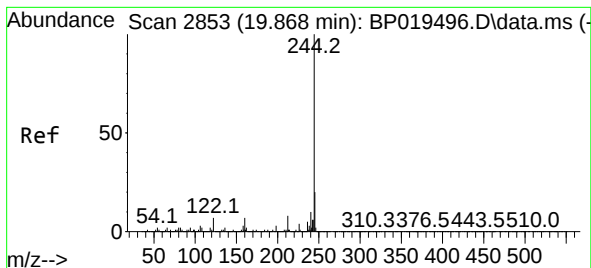
Delta R.T. 0.000 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Tgt Ion:202 Resp: 724556
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.9 25.3
 203 17.3 14.2 21.2





#79

Terphenyl-d14

Concen: 54.576 ng

RT: 19.863 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

Tgt Ion:244 Resp: 139557

Ion Ratio Lower Upper

244 100

212 7.3 6.1 9.1

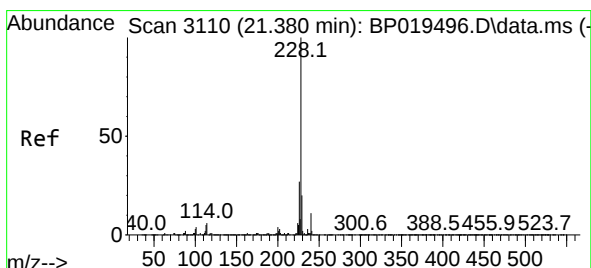
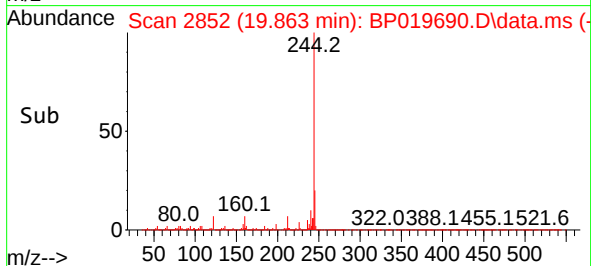
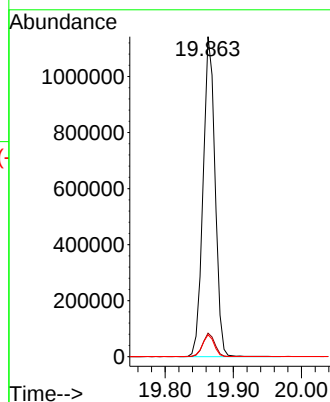
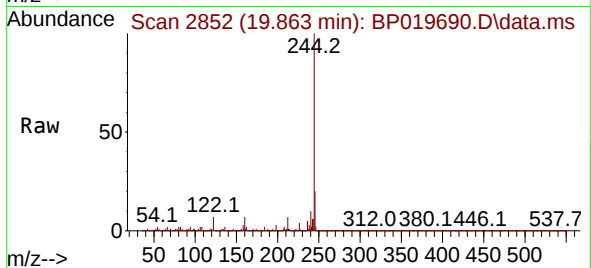
122 6.9 5.9 8.9

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Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024



#81

Benzo(a)anthracene

Concen: 14.057 ng

RT: 21.374 min Scan# 3109

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

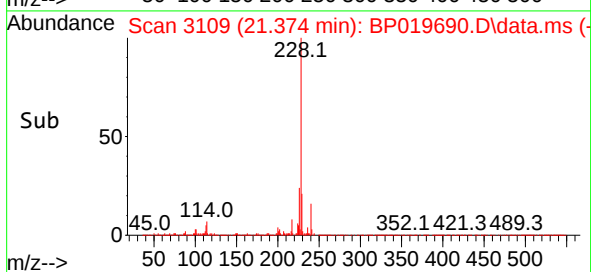
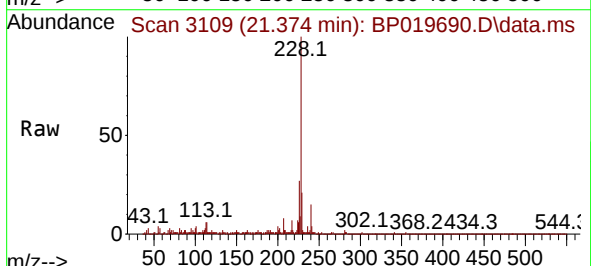
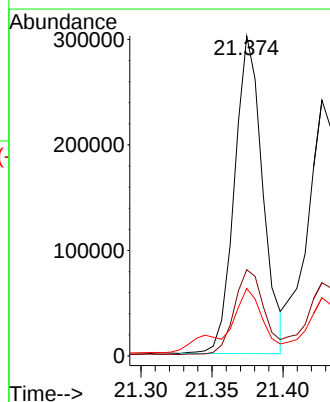
Tgt Ion:228 Resp: 416131

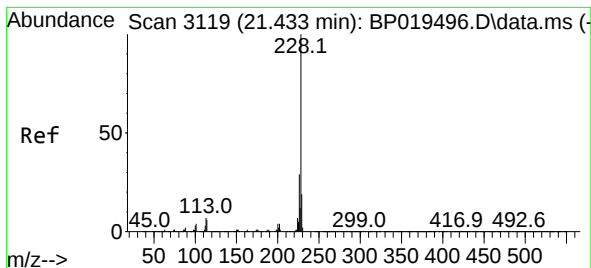
Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 21.1 15.6 23.4





#83

Chrysene

Concen: 12.815 ng

RT: 21.427 min Scan# 3118

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

Tgt Ion:228 Resp: 360170

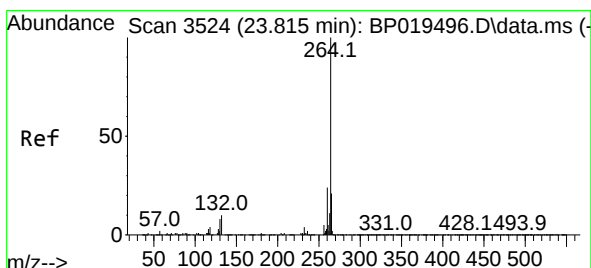
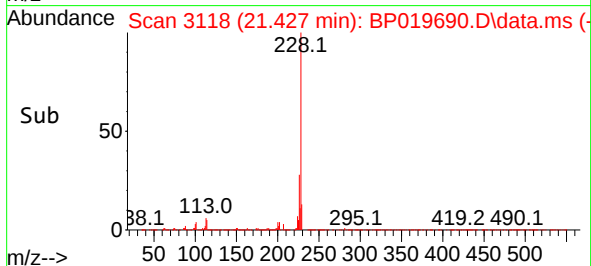
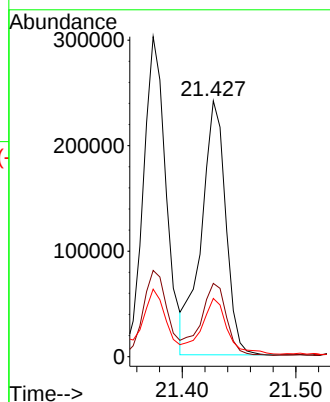
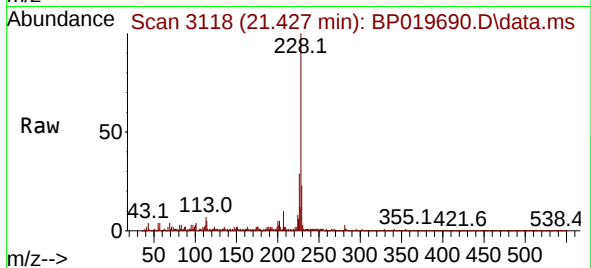
Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.4	35.2
229	22.8	15.6	23.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/15/2024

Supervised By :mohammad ahmed 02/15/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.815 min Scan# 3524

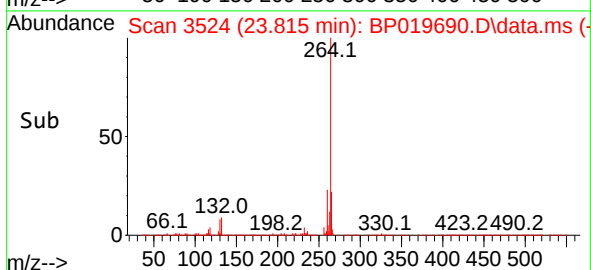
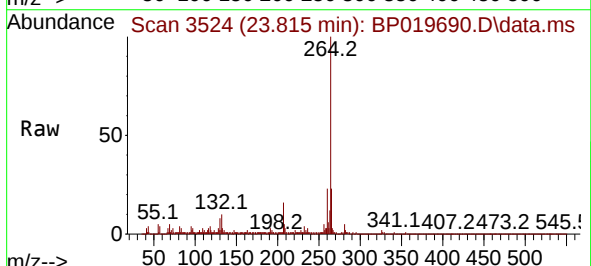
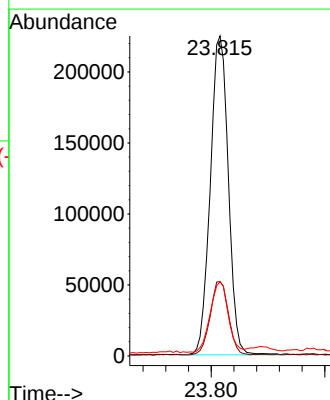
Delta R.T. 0.000 min

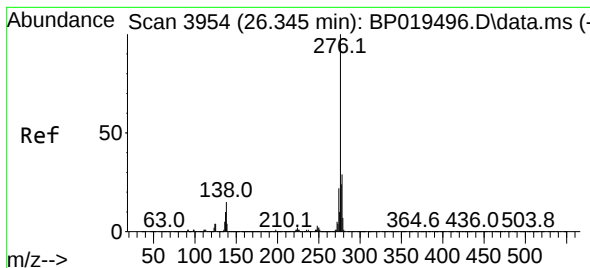
Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Tgt Ion:264 Resp: 493593

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	23.2	17.0	25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.610 ng

RT: 26.339 min Scan# 3954

Delta R.T. -0.006 min

Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Instrument :

BNA_P

ClientSampleId :

72-11977

Tgt Ion: 276 Resp: 211950

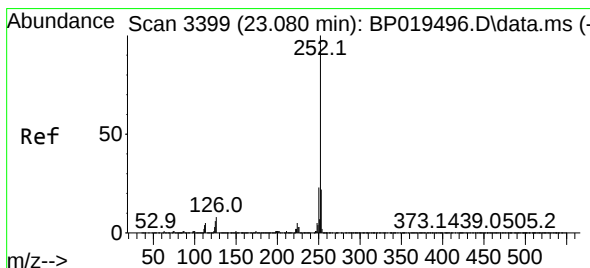
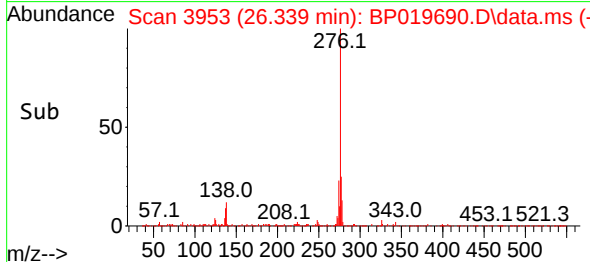
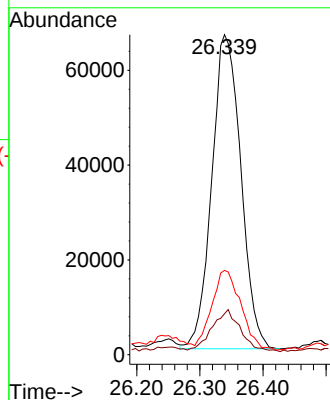
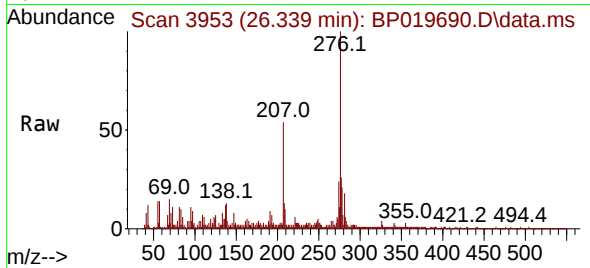
Ion	Ratio	Lower	Upper
276	100		
138	13.2	13.1	19.7
277	25.5	20.3	30.5

Manual Integrations

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Reviewed By : Yogesh Patel 02/15/2024

Supervised By : mohammad ahmed 02/15/2024



#88

Benzo(b)fluoranthene

Concen: 14.857 ng

RT: 23.080 min Scan# 3399

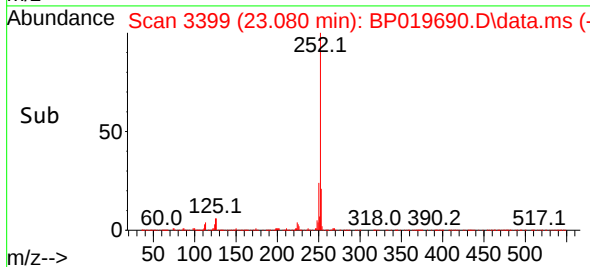
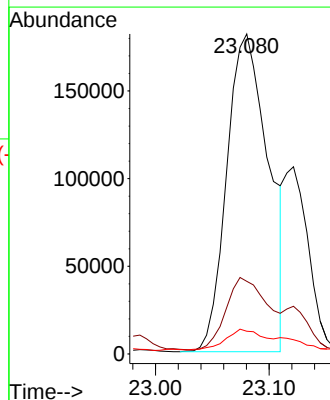
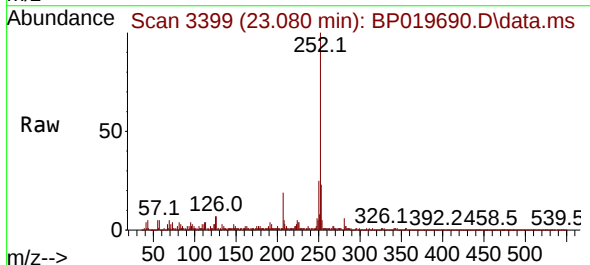
Delta R.T. 0.000 min

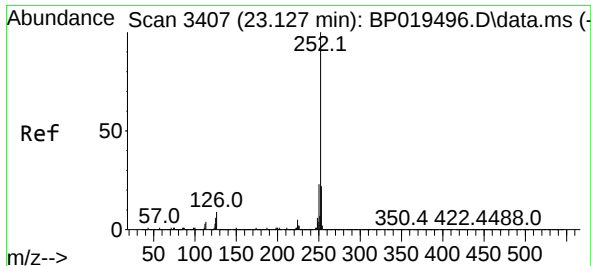
Lab File: BP019690.D

Acq: 13 Feb 2024 22:14

Tgt Ion: 252 Resp: 462198

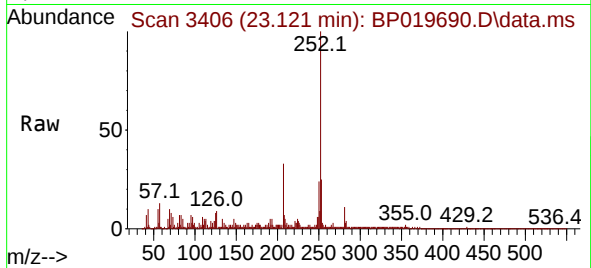
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	7.1	4.9	7.3





#89
Benzo(k)fluoranthene
Concen: 5.208 ng m
RT: 23.121 min Scan# 3407
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14

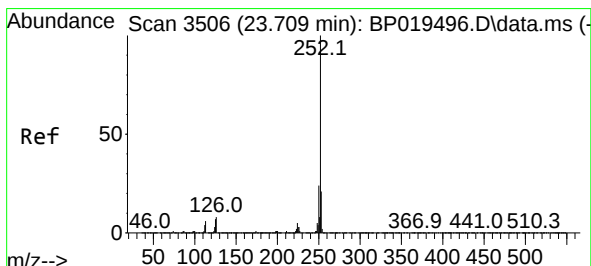
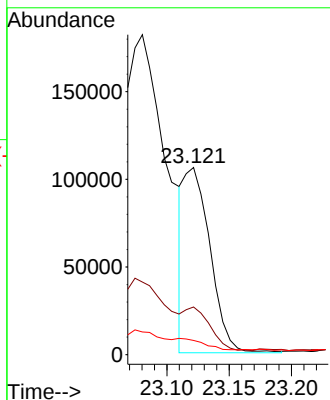
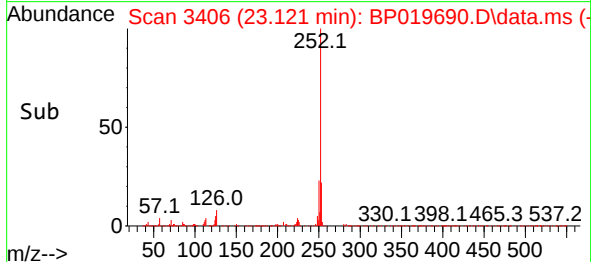
Instrument :
BNA_P
ClientSampleId :
72-11977



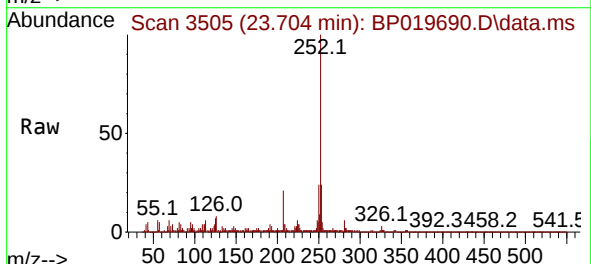
Tgt Ion:252 Resp: 15476
Ion Ratio Lower Upper
252 100
253 25.5 17.1 25.7
125 7.6 5.0 7.6

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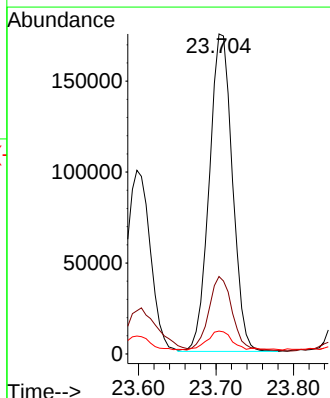
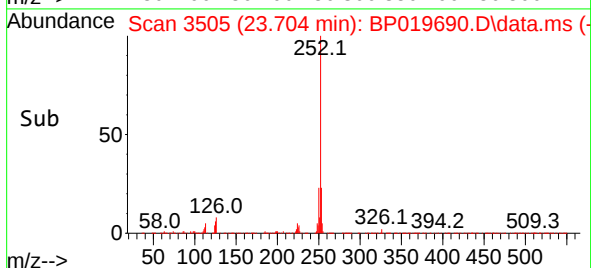
Reviewed By :Yogesh Patel 02/15/2024
Supervised By :mohammad ahmed 02/15/2024

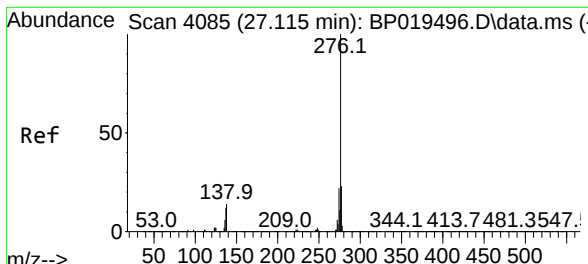


#90
Benzo(a)pyrene
Concen: 13.072 ng
RT: 23.704 min Scan# 3505
Delta R.T. -0.006 min
Lab File: BP019690.D
Acq: 13 Feb 2024 22:14



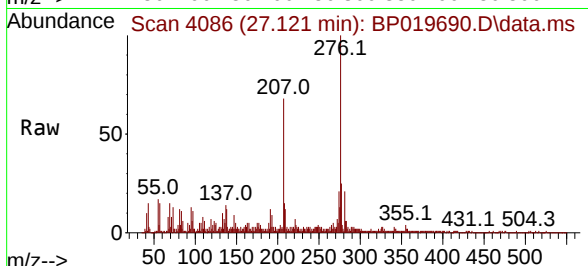
Tgt Ion:252 Resp: 361843
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 7.2 5.6 8.4





#92
 Benzo(g,h,i)perylene
 Concen: 6.222 ng
 RT: 27.121 min Scan# 4086
 Delta R.T. 0.006 min
 Lab File: BP019690.D
 Acq: 13 Feb 2024 22:14

Instrument :
 BNA_P
 ClientSampleId :
 72-11977



Tgt Ion: 276 Resp: 196140
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.6 28.0
 138 11.7 10.9 16.3

Manual Integrations
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Reviewed By : Yogesh Patel 02/15/2024
 Supervised By : mohammad ahmed 02/15/2024

